SS310GR48F

Layer 3 Switch 48 x SFP/SFP+ (10G) and 4 x QSFP+ (40G)

Designed for network environments that demand high performance, large port density and the convenient installation. The SS310GR48F is a Layer 3 switch that has 48 x SFP/SFP+ (10G) and 4 x QSFP+ (40G). This switch will support the necessary protocols to work with today's complex network infrastructures. This includes 802.1d/w/s, 802.1Q, 802.1p, 802.3ad, 802.3x, GVRP, DHCP, SNTP, IGMP, DVMRP, PIM, RIPv1/2, OSPF, BGP, and IPv6. This switch also supports ACL policies where traffic can be classified by source/destination IP addresses, source/destination MAC addresses, IP protocols, TCP/UDP, IP precedence, time ranges and ToS.

Specifications

Performance

Switching Capacity:	1.28 Tbps
Forwarding Rate:	1905 Mpps
Data Center:	FCoE; TRILL; DCB (802.1Qbb/az/au); IEEE VEPA; VSF;

Ports & Port Features

10G SFP+	48
40G QSFP:	4
RJ-45 Console Port:	1

L2 Features

Supported Features:	Loop detection; MLD v1/2 snooping; MVR (multicast VLAN register); DHCP server/client; DHCP relay, DHCP snooping; Port trunking with load balancing; IGMP Snooping and IGMP Querier; Port/MAC autobinding; MAC filtering; Broadcast Storm Control; IGMP Querier;
Auto-negotiation for Port Speed and Duplex Mode:	Yes
Flow Control:	IEEE 802.3x & Back-Pressure
Spanning Tree Protocol:	IEEE 802.1D Spanning Tree Protocol (STP); IEEE 802.1w Rapid Spanning Tree Protocol (RSTP); IEEE 802.1s Multiple Spanning Tree Protocol (MSTP);
VLANs:	Supports 4K IEEE 802.1Q VLANs; Portbased; Protocol based; MACbased; GVRP; Multicast VLAN for DVB application; Voice;
Link Aggregation:	Static Trunk; IEEE 802.3ad Link Aggregation;

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Revision 2.01

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Specifications

L3 Features

Supported Features: ARP; OSPF/OSPFv3; BGP4+; DVMRP, PIM-DM , PIMSM; VRRP; Policy based routing; DHCP/BootP relay, DHCP server; ISATAP Tunnel; URPF for IPv4 and IPv6;

Qos

Supported Features: DiffServ; WRR; ToS;

Priority Queues: 8 hardware queues per port

Traffic Classification: IEEE 802.1p CoS; IP Precedence; DSCP IPv4 and IPv6; TCP/UDP port number; Access Control List;

Management

Supported Features: CLI via console port or Telnet; WEB management; SNMP (v1, v2c, v3); RMON (groups 1, 2, 3 and 9); Port Mirroring; SNTP; Event/Error Log/Syslog for IPv4 and IPv6; MIB interface;

Firmware & Configuration: Dual firmware images; Firmware upgrade via TFTP/FTP/Xmodem; Multiple configuration files; Configuration file upload/download via TFTP/FTP server;

Security

Supported Features: IEEE 802.1X portbased and MAC based; RADIUS for IPv4 and IPv6; Access Control List; SSH; Anti ARP/NDP cheat; Anti ARP/NDP scan;

Electronic Features & Electrical Emissions

Power Supply: 100-240V AC, 50/60Hz, Internal Universal Switching Power

Environmental Parameters

Humidity Range Operating: 15-85%

Max Operating Temperature: 113F

Min Operating Temperature: 32F

Dimentions & Weight

Width x Depth x Height: 17.2 x 16 x 1.7”

Warranty and Support

Warranty: Limited Lifetime Warranty for as long as the original customer/end user owns the product, or 5 years after product discontinuance, whichever occurs first; 30 Day guaranty;

Support: Free technical support (phone/email); Software support; Premium incident support.

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